

Converting Colors

XYZ(19.9028, 8.6523, 93.5555)

Have a look what the booklet for
XYZ(19.9028, 8.6523, 93.5555)
contains.

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Color

**XYZ(19.8800, 8.6263,
93.5458)**

Conversions

Conversions Part 1

Format	Color
Hex	3C16FD
RGB	60, 22, 253
RGB Percent	24%, 9%, 99%
CMY	0.7646, 0.9138, 0.0078
CMYK	0.76, 0.91, 0.00, 0.01
HSL	250°, 98%, 54%
HSV	250°, 91%, 99%
XYZ	19.8800, 8.6263, 93.5458
YIQ	59.6960, -51.5030, 79.8970

Conversions

Conversions Part 2

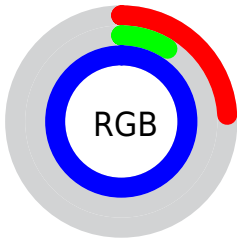
Format	Color
R _Y B	60, 22, 253
Decimal	3938045
CIE Lab	35.25, 75.87, -101.76
CIE LCh	35, 126.933, 306.709
Yxy	8.6263, 0.1629, 0.0707
Android (android.graphics.Color)	4282128125 (0xFF3C16FD)
YUV	59.6960, 95.2989, 0.2666
Hunter-Lab	29.3706, 69.4225, -168.2804

Details

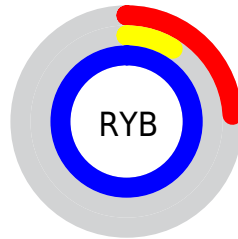
The XYZ color **19.8800, 8.6263, 93.5458** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **63.2864, 84.7516, 13.7816**, and the grayscale version is **4.1307, 4.3458, 4.7326**.

A 20% lighter version of the original color is **31.7148, 18.7436, 96.5541**, and **9.7376, 3.8950, 51.2775** is the 20% darker color. If you saturate the color by 10%, you get **18.6702, 7.5767, 93.4073**, and if you desaturate by 10%, it is **22.1640, 10.9039, 93.8654**.

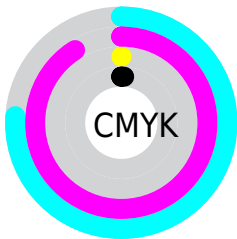
Distribution



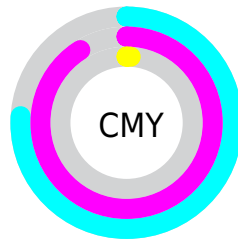
- Red (24%)
- Green (9%)
- Blue (99%)



- Red (24%)
- Yellow (9%)
- Blue (99%)



- Cyan (76%)
- Magenta (91%)
- Yellow (0%)
- Black (1%)



- Cyan (76%)
- Magenta (91%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8800, 8.6263, 93.5458 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 19.8800, 8.6263, 93.5458 by changing the saturation by 10% instead.

■ 19.8800, 8.6263,
93.5458

■ 19.8800, 8.6263,
93.5458

244.1107,
180.5651, 560.3639

■ 12.4156, 4.4982,
70.3351

■ 42.7214, 23.1774,
154.2323

■ 7.1016, 1.9560,
51.3212

■ 58.8291, 34.3692,
192.5451

■ 3.5726, 0.5817,
36.0858

■ 78.5486, 48.6845,
236.7290

■ 1.4633, 0.0000,
24.2103

■ 102.2453, 66.5075,
287.2025

■ 0.3007, 0.0000,
15.2760

■ 130.2844, 88.2226,
344.3843

■ 0.0000, 0.0000,
8.8646

■ 163.0315,

■ 0.0000, 0.0000,

114.2144, 408.6927

4.5573

200.8518,
144.8671, 480.5464

0.0000, 0.0000,
1.9358

0.0000, 0.0000,
0.5154

19.8800, 8.6263,
93.5458

19.8800, 8.6263,
93.5458

18.6702, 7.5767,
93.4073

22.1640, 10.9039,
93.8654

25.5971, 14.6444,
94.4064

30.3156, 20.0482,
95.2008

36.4349, 27.2838,
96.2749

■ 44.0575, 36.4986,
97.6517

■ 53.2759, 47.8249,
99.3521

■ 64.1751, 61.3834,
101.3947

■ 76.8339, 77.2858,
103.7970

■ 91.3262, 95.6361,
106.5751

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



9.9633, 8.6263, 134.1997



19.8800, 8.6263, 93.5458



29.2351, 8.6263, 36.2062

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



19.8800, 8.6263, 93.5458



15.1527, 8.6263, 0.0000



0.6322, 8.6263, 14.9587

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



19.8800, 8.6263, 93.5458



63.2864, 84.7516, 13.7816

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



0.8636, 8.6263, 0.7407



19.8800, 8.6263, 93.5458



6.6564, 8.6263, 0.0000

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



19.8800, 8.6263, 93.5458



25.5485, 8.6263, 0.0000



2.3205, 8.6263, 0.0000



1.2867, 8.6263, 60.3031

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



19.8800, 8.6263, 93.5458



31.9485, 8.6263, 11.9131



2.3205, 8.6263, 0.0000



0.6160, 8.6263, 7.2553

Sweetspot

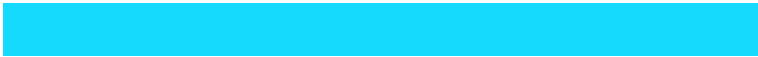
The Sweet Spot groups the original color and five complimentary colors.



19.8808, 8.6263, 93.5461



58.7933, 54.3368, 101.9970



43.2222, 57.5860, 101.7661



11.8039, 10.6622, 21.6858



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.8808, 8.6263, 93.5461



19.0039, 7.7117, 95.0946



35.0616, 16.4524, 94.2566



17.2815, 17.5213, 22.7211



10.0112, 4.0715, 49.6928



1.0497, 0.4351, 4.8419

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



53.0570, 26.3609, 66.5632



53.2532, 26.0653, 65.1907



40.8455, 73.1829, 12.7314



18.6567, 18.2460, 22.0752



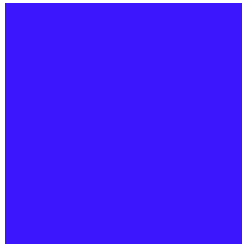
27.8736, 13.6387, 34.3146



2.7466, 1.3410, 3.5132

Previews

White Background



This preview shows how the XYZ color 19.8800, 8.6263, 93.5458 looks on a white background.

Color Contrast Check

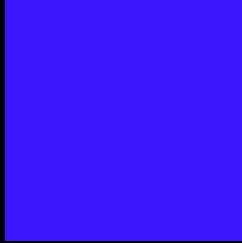
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 19.8800, 8.6263, 93.5458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.8800, 8.6263, 93.5458

Background



This preview shows how black text looks on a background with the XYZ color 19.8800, 8.6263, 93.5458.



This preview shows how white text looks on a background with the XYZ color 19.8800, 8.6263,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

19.8800, 8.6263, 93.5458

Protanopia

9.8437, 8.5273, 37.6863

Deuteranopia

8.1310, 8.4500, 26.7936



Tritanopia

5.9385, 8.4988, 12.3938

Trichromacy



Original Color

19.8800, 8.6263, 93.5458

Protanomaly

12.0879, 7.3757, 54.2126

Deuteranomaly

10.4970, 6.9932, 45.0525

Tritanomaly

8.0878, 6.4848, 30.9624

Monochromacy



Original Color

19.8800, 8.6263, 93.5458

Achromatopsia

4.2949, 4.5186, 4.9208

Achromatomaly

6.8697, 4.5264, 21.6307

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8800, 8.6263, 93.5458 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(60, 22, 253)` looks like.

```
.text, #text, p{  
    color:rgb(60, 22, 253)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(60, 22, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 22, 253) }
```

Border

The CSS property to change the border of an element to XYZ 19.8800, 8.6263, 93.5458 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(60, 22, 253) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(60, 22, 253) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(60, 22, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 22, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 22, 253);  
box-shadow:4px 4px 4px 4px rgb(60, 22,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8800, 8.6263, 93.5458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 22, 253) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(60, 22,  
253) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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